IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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In re Application of:

Vinegar, et al.

Serial No.: 09/841,290

Filed: April 24, 2001

For: IN SITU PRODUCTION OF SYNTHESIS

GAS FROM A HYDROCARBON CONTAINING FORMATION THROUGH A HEAT SOURCE

WELLBORE

Examiner: Unknown

Group Art Unit: 3673

Atty. Dkt: 5659-04000

Certificate of Mailing 37 C.F.R. § 1.8(a)

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INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents Washington, D.C. 20231

Sir:

It is respectfully requested that this Information Disclosure Statement be entered and the documents listed on attached Form PTO-1449 (references A257-A348) be considered by the Examiner and made of record. Copies of the listed documents are enclosed for the convenience of the Examiner.

Should any fees be required, the Commissioner is authorized to charge said fees to Conley, Rose & Tayon, P.C. Deposit Account No. 50-1505/5659-04000/EBM.

Respectfully submitted,

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ATTY. DKT. NO. 5659-04000/TH1965

APPLICANT: Vinegar, et al.

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SERIAL NO. 09/841,290

GROUP: 3673

OTHER MADE Studing Author, Title, Date, Pertinent Pages, Etc.)	
A257 Comparison of Methods for Measuring Kerogen Pyrolysis Rates and Fitting Kinetic Parameters, Burnham et al., 23, 1987, (29 pages).	Marc
A258 Further Comparison of Methods for Measuring Kerogen Pyrolysis Rates and Fitting Kinetic Parameters, Burnha al., September 1987, (16 pages).	m et
A259 Tests of a Mechanism for H ₂ S Release During Coal Pyrolysis, Coburn et al., May 31, 1991, (6 pages).	
A260 Kinetic Studies of Gas Evolution During Pyrolysis of Subbituminous Coal, J. H. Campbell et al., May 11, 1976, pages).	(14
A261 Excavation of the Partial Seam Crip Underground Coal Gasification Test Site, Robert J. Cena, August 14, 1987, pages).	(11
A262 Evolution of Sulfur Gases During Coal Pyrolysis, Oh et al., February 3, 1988, (11 pages).	
A263 Coal Pyrolysis and Methane Decomposition In the Presence of a Hot Char Bed, Peters et al., August 1983, (21 p	ages)
A264 Pyrolysis Kinetics and Maturation of Coals from the San Juan Basin, John G. Reynolds & Alan K. Burnham, De 1992, (30 pages).	cemb
A265 Numerical Model of Coal Gasification in a Packed Bed, A.M. Winslow, April 1976 (27 pages).	
A266 LLL In-Situ Coal Gasification Program, Stephens et al., June, 14, 1976 (12 pages)	
A267 Pyrolysis of Subbituminous Coal as it Relates to In-Situ Coal Gasification, J.H. Campbell, January 17, 1977 (20	page
A268 The Historical Development of Underground Coal Gasification, D. Olness & D.W. Gregg, June 30, 1977 (60 pa	ges).
A269 Laboratory Measurements of Groundwater Leaching and Transport of Pollutants Produced During Underground Gasification, V.A. Dalton & J.H. Campbell, March 1, 1978 (21 pages).	Coal
A270 The Hoe Creek II Field Experiment of Underground Coal Gasification, Preliminary Results, Aiman et al., Februa 1978 (26 pages).	ary 27
A271 Ground-Water and Subsidence Investigations of the LLL In Situ Coal Gasification Experiments, Mead et al, July 1978 (31 pages).	17-2
A272 Geotechnical Instrumentation Applied to In Situ Coal Gasification Induced Subsidence, Ganow et al. June 21, 19 pages).	978 (1
A273 The Use of Tracers in Laboratory and Field Tests of Underground Coal Gasification and Oil Shale Retorting, Lyczkowski et al., June 16, 1978 (19 pages).	
A274 Underground Gasification of Rocky Mountain Coal, D.R. Stephens and R.W. Hill, July 18, 1978 (15 pages).	
A275 High-BTU Gas Via In Situ Coal Gasification, Stephens et al., October, 1978 (41 pages).	
A276 A One-Dimensional Model for In Situ Coal Gasification, Thorsness et al., August 25, 1978 (76 pages).	
A277 Control Aspects of Underground Coal Gasification: LLL Investigations of Ground-Water and Subsidence Effect Mead et al., November 10, 1978 (21 pages).	s,
A278 Environmental Controls for Underground Coal Gasification: Ground-Water Effects and Control Technologies, V Mead & Ellen Raber, March 14, 1980 (19 pages).	Varre
A279 Results from the Third LLL Underground Coal Gasification Experiment at Hoe Creek, Hill et al., May 20, 1980 pages).	(12
A280 Results From the Hoe Creek No. 3 Underground Coal Gasification Experiment, Thorsness et al., May 1980, (11	page
A281 Steam Tracer Experiment at the Hoe Creek No. 3 Underground Coal Gasification Field Test, C.B. Thorsness, November 26, 1980 (51 pages).	
A282 Computer Models to Support Investigations of Surface Subsidence and Associated Graph Motion Induced by Underground Coal Gasification, R.T. Langland & B.C. Trent, July 1981 (16 pages).	
A282 Computer Models to Support Investigations of Surface Subsidence and Associated Graph Motion idliced by Underground Coal Gasification, R.T. Langland & B.C. Trent, July 1981 (16 pages). DATE CONSIDERED: EXAMINER: DATE CONSIDERED: DATE CONS	0(
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EXAMINER:

A308

A309

DATE CONSIDERED:

Oil Shale Retorting: Part 3 A Correlation of Shale Oil 1-Alkene/n-Alkane Ratio With Vield, Coburn et al., August 1,

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the patent own

The Composition of Green River Shale Oil, Glen L. Cook, et al., 1968 (12 pages). JAN 0 4 7002

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ATTY. DKT. NO. 5659-04000/TH1965 JAN 0 3 2001

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THER ART (Including Au	ıthor, Title, Date,	Pertinent Pages, Etc.)
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	On-line, Mass Spectrometric Determination of Ammonia From Oil Shale Pyrolysis Using Isobutane Chemical Ionization, Crawford et al., March 1988 (16 pages).
A311	Thermal Degradation of Green River Kerogen at 150° to 350° C Rate of Production Formation, J.J. Cummins & W.E. Robinson, 1972 (18 pages).
A312	Retorting of Green River Oil Shale Under High-Pressure Hydrogen Atmospheres, LaRue et al., June 1977 (38 pages).
A313	Retorting and Combustion Processes In Surface Oil-Shale Retorts, A.E. Lewis & R.L. Braun, May 2, 1980 (12 pages)
A314	Oil Shale Retorting Processes: A Technical Overview, Lewis et al., March 1984 (18 pages).
A315	Study of Gas Evolution During Oil Shale Pyrolysis by TQMS, Oh et al., February 1988 (10 pages).
A316	The Permittivity and Electrical Conductivity of Oil Shale, A.J. Piwinskii & A. Duba, April 28, 1975 (12 pages).
A317	Oil Degradation During Oil Shale Retorting, J.H. Raley & R.L. Braun, May 24, 1976 (14 pages).
A318	Kinetic Analysis of California Oil Shale By Programmed Temperature Microphyrolysis, John G. Reynolds & Alan K. Burnham, December 9, 1991 (14 pages).
A319	Analysis of Oil Shale and Petroleum Source Rock Pyrolysis by Triple Quadrupole Mass Spectrometry: Comparisons o Gas Evolution at the Heating Rate of 10°C/Min., Reynolds et al. October 5, 1990 (57 pages).
A320	in Combustion Gas Streams, Part II, Reynolds et al., January 4, 1993 (9 pages).
A321	Fluidized-Bed Pyrolysis of Oil Shale, J.H. Richardson & E.B. Huss, October 1981 (27 pages).
A322	Retorting Kinetics for Oil Shale From Fluidized-Bed Pyrolysis, Richardson et al., December 1981 (30 pages).
A323	Recent Experimental Developments in Retorting Oil Shale at the Lawrence Livermore Laboratory, Albert J. Rothman August 1978 (32 pages).
A324	The Lawrence Livermore Laboratory Oil Shale Retorts, Sandholtz et al. September 18, 1978 (30 pages).
A325	Operating Laboratory Oil Shale Retorts In An In-Situ Mode, W. A. Sandholtz et al., August 18, 1977 (16 pages).
	Sandholtz March 1980 (19 pages)
A327	Assay Products from Green River Oil Shale, Singleton et al., February 18, 1986 (213 pages)
A328	Biomarkers in Oil Shale: Occurrence and Applications, Singleton et al., October 1982 (28 pages).
A329	Occurrence of Biomarkers in Green River Shale Oil, Singleton et al., March 1983 (29 pages). An Instrumentation Proposal for Retorts in the Demonstration Phase of Oil Shale Development (1981).
A330	An Instrumentation Proposal for Retorts in the Demonstration Phase of Oil Shale Development (1983). April 19, 1977, (34 pages). A Laboratory Apparatus for Controlled Time/Temperature Retorting of Oil Shale. Stout et al. November 1, 1976 (1986).
	pages).
A332	SO ₂ Emissions from the Oxidation of Retorted Oil Shale, Taylor et al., November 1981 (9 pages).
A333	Nitric Oxide (NO) Reduction by Retorted Oil Shale, R.W. Taylor & C.J. Morris, October 1983 (16 pages).
A334	Coproduction of Oil and Electric Power from Colorado Oil Shale, P. Henrik Wallman, September 24, 1991 (20 pages
A335	¹³ C NMR Studies of Shale Oil, Raymond L. Ward & Alan K. Burnham, August 1982 (22 pages).
A336	Identification by ¹³ C NMR of Carbon Types in Shale Oil and their Relationship to Pyrolysis Conditions, Raymond L. Ward & Alan K. Burnham, September 1983 (27 pages).
A337	A Laboratory Study of Green River Oil Shale Retorting Under Pressure In a Nitrogen Atmosphere, Wise et al., September 1976 (24 pages).

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(Including Author, Title, Date, Pertinent Pages, Etc.)

	TRADE
A338	Quantitative Analysis and Evolution of Sulfur-Containing Gases from Oil Shale Pyrolysis by Triple Quadrupole Mass Spectrometry, Wong et al., November 1983 (34 pages).
A339	Quantitative Analysis & Kinetics of Trace Sulfur Gas Species from Oil Shale Pyrolysis by Triple Quadrupole Mass Spectrometry (TQMS), Wong et al., July 5-7, 1983 (34 pages).
A340	Application of Self-Adaptive Detector System on a Triple Quadrupole MS/MS to High Expolsives and Sulfur-Containing Pyrolysis Gases from Oil Shale, Carla M. Wong & Richard W. Crawford, October 1983 (17 pages).
A341	An Evaluation of Triple Quadrupole MS/MS for On-Line Gas Analyses of Trace Sulfur Compounds from Oil Shale Processing, Wong et al., January 1985 (30 pages).
A342	Source and Kinetics of Sulfur Species in Oil Shale Pyrolysis Gas by Triple Quadrupole Mass Spectrometry, Wong et al., October 1983 (14 pages).
A343	The Centralia Partial Seam CRIP Underground Coal Gasification Experiment, Cena et al., June 1984 (38 pages).
A344	Results of the Centralia Underground Coal Gasification Field Test, Hill et al., August 1984 (18 pages).
A345	Excavation of the Partial Seam Crip Underground Coal Gasification Test Site, Cena et al., August 14, 1987 (11 pages
A346	Assessment of the CRIP Process for Underground Coal Gasification: The Rocky Mountain I Test, Cena et al., August 1988 (22 pages).
A347	Mild Coal Gasification-Product Separation, Pilot-Unit Support, Twin Screw Heat Transfer, and H ₂ S Evolution, Camp et al., August 9, 1991 (12 pages).
A348	Underground Coal Gasification Site Selection and Characterization in Washington State and Gasification Test Design Randolph Stone & R.W. Hill, September 10, 1980 (62 pages).



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